

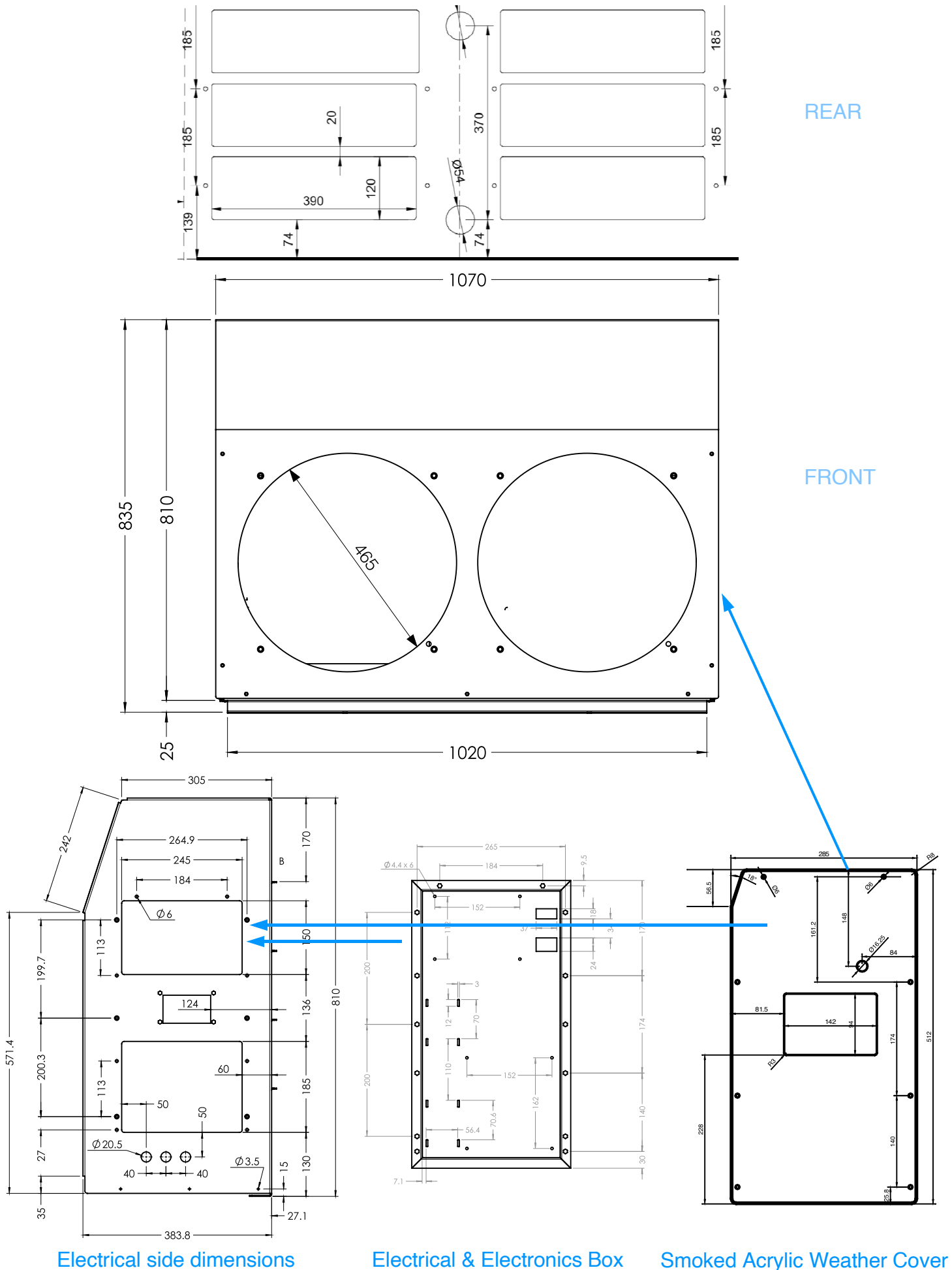
PRODUCT DESCRIPTION: The TurboCool Typhoon is the latest version in the line of fully automatic high powered ice bath chillers and heaters developed and manufactured by the iCool company over more than a decade. Hundreds of the TurboCool series are installed in large stadiums and clubs worldwide.

TWIN ENGINE DESIGN: The TurboCools are a unique "Twin Engine" machine to provide higher efficiency, lower running cost and the ability to operate from single phase power. Because they contain two completely independent heat pumps that can operate either in parallel or individually, the TurboCools offer a unique backup should a problem occur because each heat pump can continue to operate indefinitely to keep the pool chilled.

"GREEN" REFRIGERANT: Natural hydrocarbon refrigerants are much more efficient than fluorocarbon refrigerants, are much more friendly to the environment and use less electricity.

MAIN DIMENSIONS:	L1020mm X W383mm X H835mm
MATERIALS:	Laser cut CNC formed aluminium with high UV resistant coatings High pressure PVC plumbing with elastomeric anti shock boots.
WEIGHT:	122Kg
VOLTAGE:	220-240volts single phase. (110v versions also available)
MAXIMUM CURRENT:	20 Amps
TYPICAL CURRENT:	9-18 Amps controlled by the operating system for maximum efficiency.
REFRIGERANT:	HyChill 40 or HyChill 50 or R290. 380grams in each heat pump.
CONDENSER FANS:	450mm Low Noise, low frequency sound, typically 58dB @ 5mtrs.
COMPRESSORS:	Mitsubishi 2V36S225BUA -10kW each @12°C = 20kW Total Cooling.
VENTILATION:	At full power up to 4000cfm of unrestricted airflow must be allowed for if mounted indoors. Outdoor mounting easily meets this requirement.
MAXIMUM COP:	4.5
EVAPORATORS:	Copper Tube, aluminium fins & frames all with anti corrosion coatings.
CONDENSERS:	Titanium Tubes in high pressure PVC Tanks
FUNCTION CONTROL:	Large 15inch full colour touch screen remotely mounted up to 50m from TurboCool. Data and screen power over a single ethernet cable.
OPERATING SYSTEM:	Proprietary OS developed by iCool especially for automatic ice baths.
RUNNING COST:	\$5 per 24 hours. (50% duty cycle, 25cents per kW Hour)
POOL CAPACITY:	Recommended for chilling (or heating) pools up to 5000 litres & 12 users.
VERSIONS:	Chill Only: Heat Only: Chill & Heat (automatic reverse cycle) versions.





- 1: All Electrical and Electronic systems are contained within a water resistant box mounted internally & accessed on this side.
- 2: The box is weather sealed by a removable thick semi clear acrylic cover that allows visual confirmation of some functions.
- 3: A backup RCD is also contained within the box for additional safety.
- 4: Power and data is provided through 3 weather proof grommets below the box.